09:00-12:00

- Introduction to OrthoFinder and introduction to the study system and infrastructure
- Visualising OrthoFinder results

12:00-13:00 Lunch

13:00-14:00

Spiderman and the adaptive story (dN/dS)

14:00-14:15 Break

14:15-16:00

Spiderman and the adaptive story (dN/dS, cont.)

Genome annotation and comparative genomics

Part 2, morning

Teachers: Bram Danneels, Helle Tessand Baalsrud, José Cerca, Ole K. Tørresen
Oslo Bioinformatics Workshop Week 2023
11th December

The infrastructure

- We will do computations on Fox, computing cluster at UiO
- Need to create an account and apply for access at ec146
- We will go through this together

https://shorturl.at/swMZ2

What is a biodiversity genomics project?

- Do all kinds of different species (DToL, ERGA, EBP)
- Vertebrate Genomes Project is targeted (all vertebrates), maybe not a biodiversity genomics project

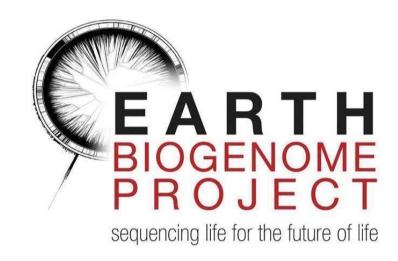


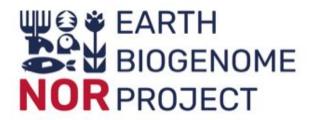


What is the Earth Biogenome Project?

- Better understanding of biology and evolution
- Conserve, protect and restore biodiversity
- Create new benefits for society and human welfare

-> sequence all eukaryotes





Funded by the Research Council of Norway

- Phase 1 2021-2024 (30 MNOK)
 - Do 100-150 species
 - Norwegian, marine and arctic species
 - Coordination with ERGA, DToL, VGP, EBP and other projects (e.g. https://goat.genomehubs.org/)
- Preparation for 2 phase has begun



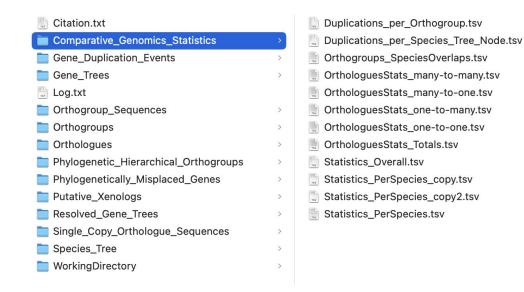


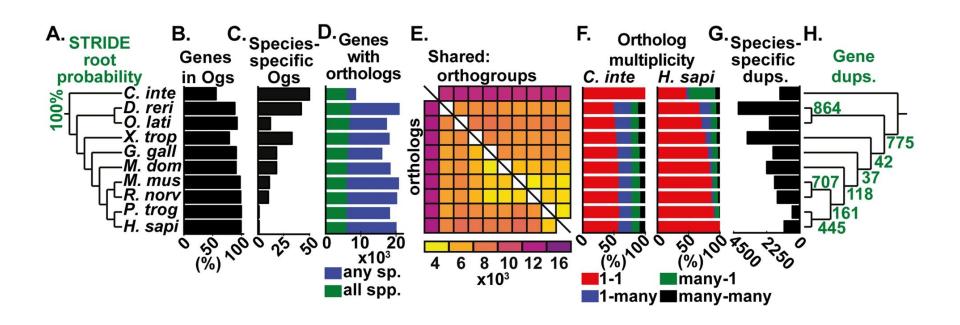


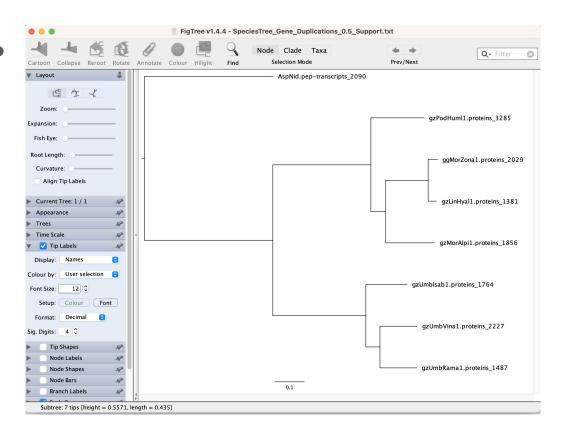




- Hopefully by now you have some results!
 (If not, we will provide some;)
- But where do we go from here?









Objective: plot results from Orthofinder on a phylogenetic tree using R





(for quickly looking at trees I would still use Figtee, faster)

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